

Figure 1 (Prior Art)

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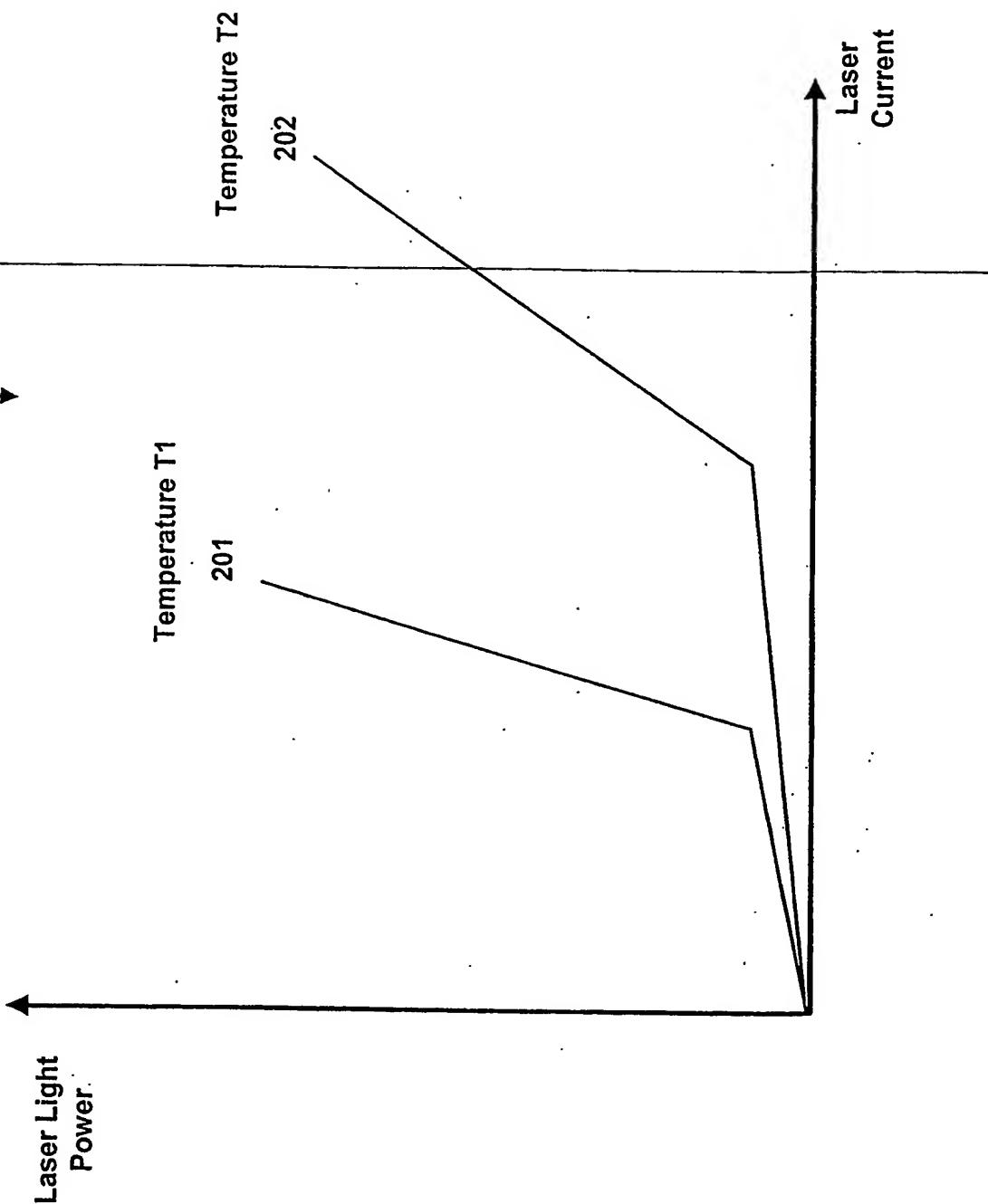
Figure 2 (Prior Art)**BEST AVAILABLE COPY**

Figure 3 (Prior Art)

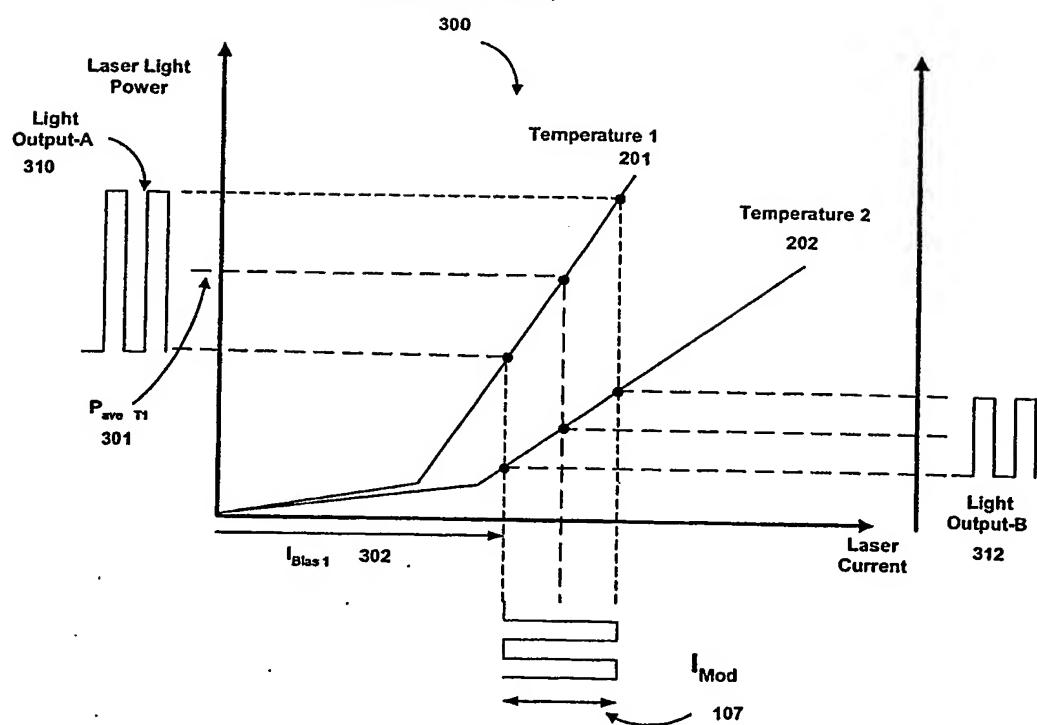
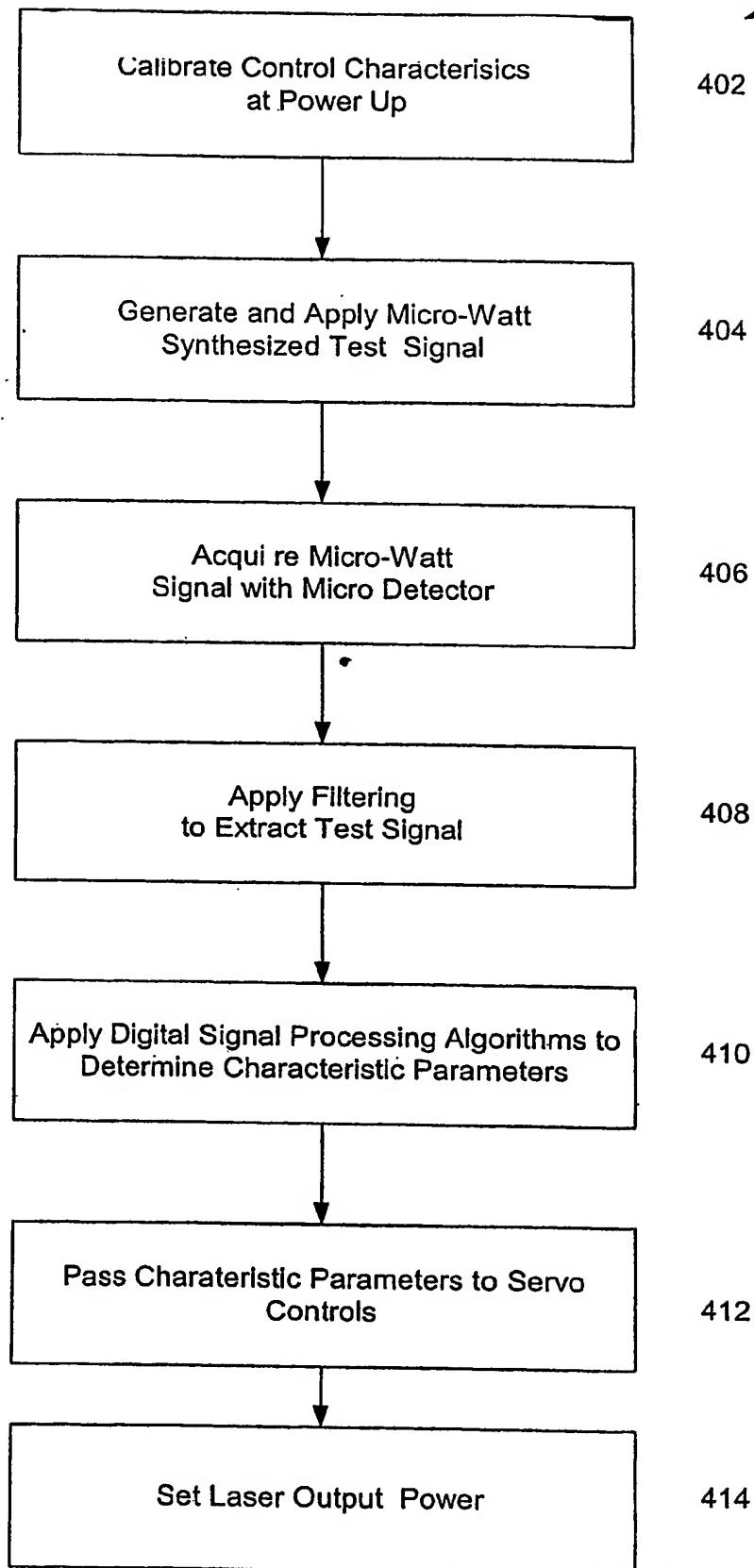


FIG. 4



400

402

404

406

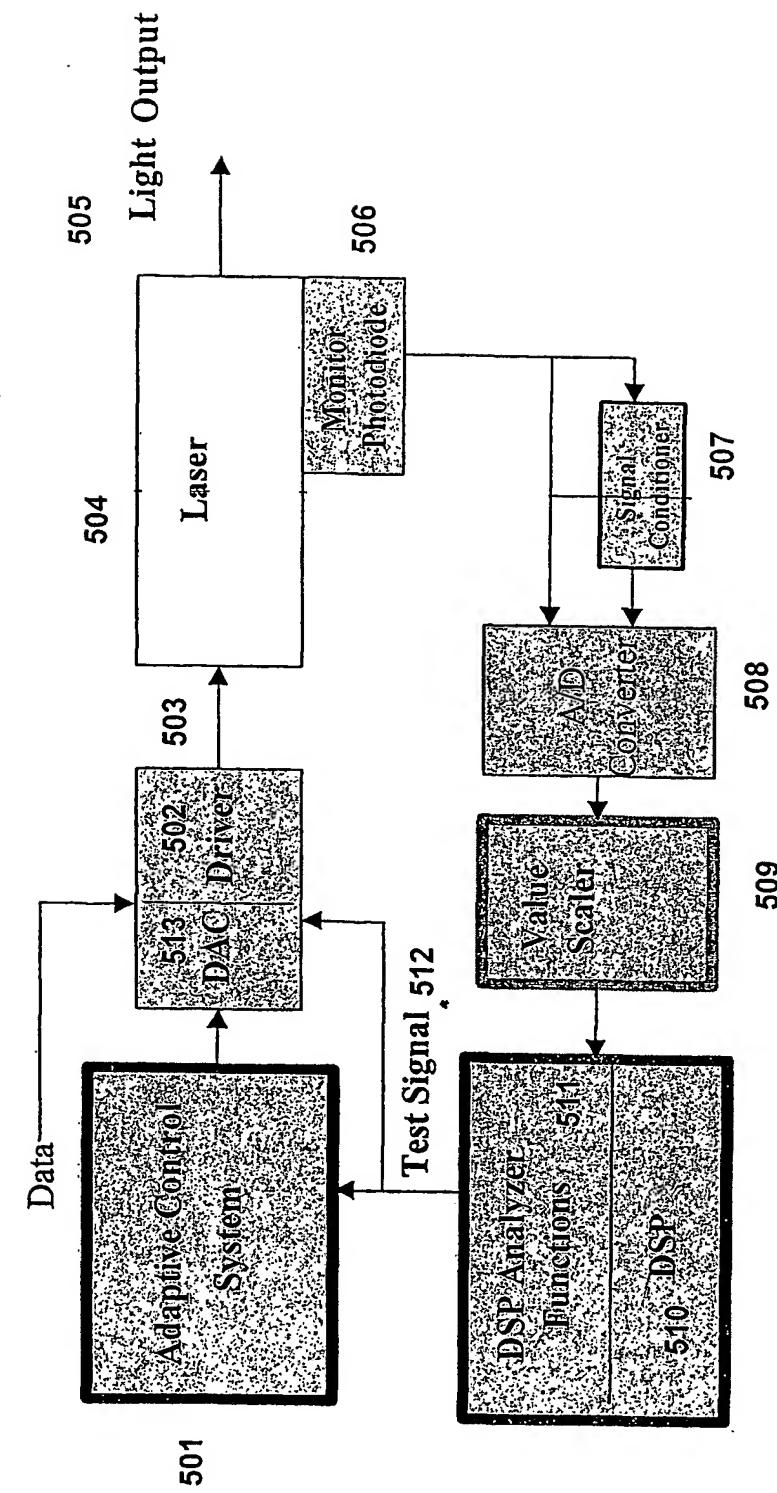
408

410

412

414

Figure 5.



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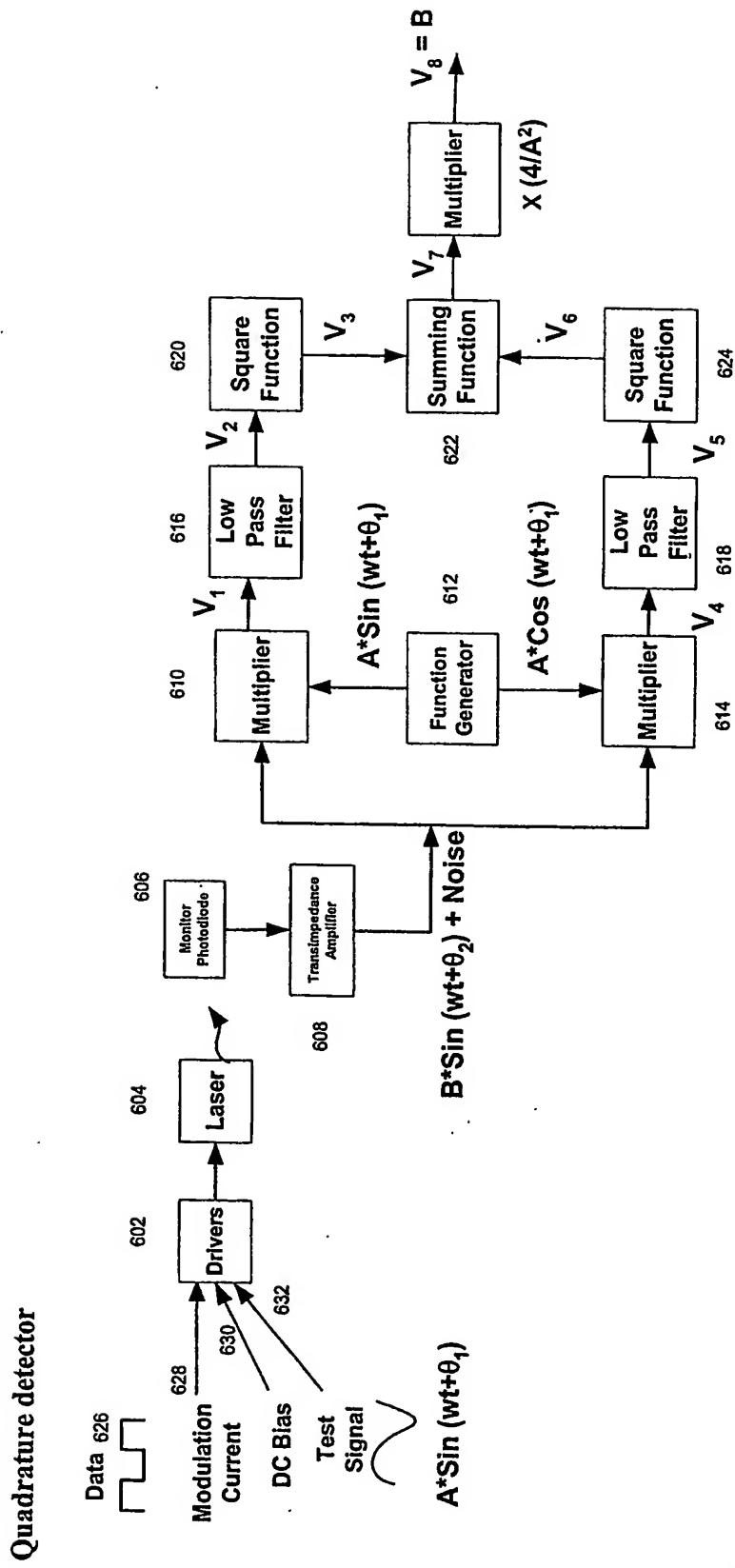
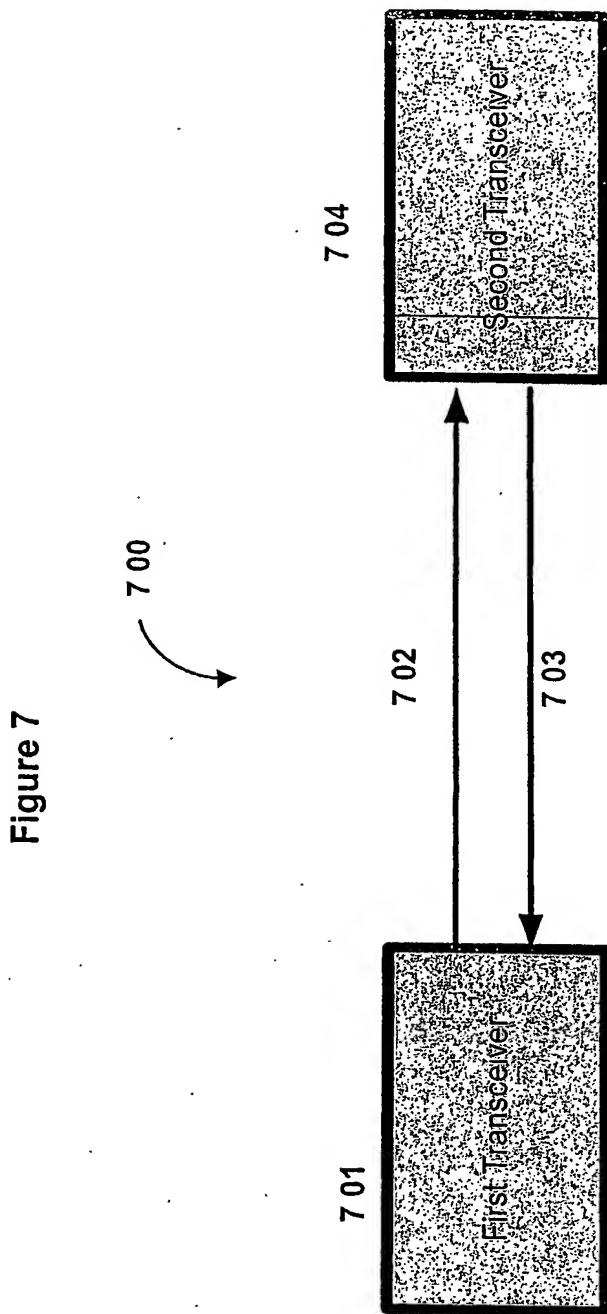


Figure 6

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FIG. 8

Signal Processing math

$$V_1 = \{B^* \sin(wt + \theta_2) + \text{Noise}\} * \{A^* \sin(wt + \theta_1)\}$$

$$V_1 = (AB/2) \{\cos(\theta_1 - \theta_2) - \cos(2wt + \theta_1 + \theta_2)\} + \text{Noise}$$

$$V_2 = (AB/2) * \{\cos(\theta_1 - \theta_2)\} = (AB/2) * \{\cos(\theta_2 - \theta_1)\}$$

$$V_3 = \{(A^2 B^2)/4\} * \{\cos^2(\theta_2 - \theta_1)\}$$

$$V_4 = \{B^* \sin(wt + \theta_2) + \text{Noise}\} * \{A^* \cos(wt + \theta_1)\}$$

$$V_4 = (AB/2) \{\sin(\theta_2 - \theta_1) + \sin(2wt + \theta_2 + \theta_1)\} + \text{Noise}$$

$$V_5 = (AB/2) * \{\sin(\theta_2 - \theta_1)\}$$

$$V_6 = \{(A^2 B^2)/4\} * \{\sin^2(\theta_2 - \theta_1)\}$$

$$V_7 = V_3 + V_6 = \{(A^2 B^2)/4\} * \{\sin^2(\theta_2 - \theta_1) + \cos^2(\theta_2 - \theta_1)\} = (A^2 B^2)/4$$

$$V_8 = \{(A^2 B^2)/4\} * (4/A^2) = B$$

Laser Slope = B/A

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